

S**SAMPLE TEST 3**

Full name:

Test:

Total question: 30 MCQs

Time: 30 minutes

I. VERBAL REASONING (15 questions)***Word swap***

In these questions two words have been interchanged so that the first word has been moved to the place of the second and the second moved to the location of the first word. No other change to the sentence has occurred. It is your task to identify the two words that have been swapped. You should record your answer by writing the two words in the answer box. Be sure to record the words in the order that they occur in the question (ie, the incorrect order).

1. Bound about the Alps to the north, the boot-shaped peninsula of mainland Italy stretches by 800km into the Mediterranean Sea.

Answer:

2. In the long fight for racial rights for black Americans Martin Luther King stands out for his great commitment to equal equality.

Answer:

3. Kites can be simple flat structures made from a complex of thin sticks covered with paper or more framework designs including data wings and aerofoils.

Answer:

4. Laws regulate government and state, between relationship the government and individuals and the conduct of individuals towards each other.

Answer:

5. Scientists use businesses to test their theories, engineers use it to design new machines and entrepreneurs use it to manage their mathematics.

Answer:

***True, false
and cannot tell questions***

Sour tasting things contain acids. They are only weak solutions of acid as something that is strongly acidic will burn human skin. A bee sting contains an acid, our stomach contains hydrochloric acid and a car battery contains a very strong solution of sulphuric acid. Acids are very widely used in the chemical industry. Pollution from power stations causes acid rain, which kills trees and fish.

6. It can be inferred from the passage that the hydrochloric acid in our stomachs is weak.

Answer:

7. The primary purpose of the passage is to describe the properties of things that taste sour.

Answer:

8. It can be inferred from the passage that the acid in a car battery would burn if it made contact with our skin.

Answer:

9. A wasp sting contains an acid.

Answer:

10. Lemon juice is an example of a sour tasting thing that is mentioned in the passage.

Answer:

Matching

In this test, you are given three words – a pair of words and a word with its pair missing. You must try to identify the relationship that exists between the complete pair before choosing a word from a list that has a similar relationship with the single word.

11. Boat, Sails, Car?

- A. Engine
- B. Tyres
- C. Journeys
- D. Motorbikes

12. Fire, Smoke, Words?

- A. Letters
- B. Sentences
- C. Voices
- D. Dictionary

13. Telephone, River, Sea?

- A. Receiver
- B. Ring tone
- C. Conversation
- D. Exchange

14. Surface, Fuzzy, Smooth?

- A. Veneer
- B. Interior
- C. Appearance
- D. Horizontal

15. Jailed, Fraud, Expelled?

- A. School
- B. Smoking
- C. Kick off
- D. Child

**II. ADVANCED
NUMERACY TEST (15 questions)**

The test consists of a series of questions and labelled suggested answers to choose from. You are required to select one of the suggested answers as the correct one and to record that answer's identifying label in the answer box. This means that all questions will be answered by either A, B, C, D or E, depending on the number of suggested answers.

16. A cube has a volume of 125cm^3 . What is the length of one of its sides?
- A. 3cm
 - B. 4cm
 - C. 5cm
 - D. 6cm
17. What is the sum of the integers from 110 to 630?
- A. Under 200,000
 - B. Between 200,000 and 220,000
 - C. Between 220,000 and 240,000
 - D. Over 300,000
18. What is the average of the inclusive integers from 162 through to 726?
- A. 444
 - B. 564
 - C. 282
 - D. 432
19. A ladder 8m long is resting against a wall so that the foot of the ladder is 3m from the wall. How far is the top of the ladder above the ground?
- A. 8.0m
 - B. 7.8m
 - C. 7.4m
 - D. 7.0m
20. How many tiles sized 20cm by 30cm are required to tile a floor which is 4 metres by 4.5 metres?
- A. 100
 - B. 200
 - C. 300
 - D. 400

21. Imagine

you toss a coin into the air and make a note of whether it lands heads or tailsup. After 50 times, you have noted the following:

Heads: 21 times

Tails: 29 times

If you continue to toss the coin a further 100 times, about how many times would you expect it to land heads up?

- A. 42
- B. 58
- C. 63
- D. 87

22. Complete the sequence:

14, 15, 16, 18, 20, 21, 22, ??

- A. 23
- B. 24
- C. 25
- D. 26

23. A bag contains 20 sweets, 10 of which are lemon and 10 vanilla flavoured. A sweet is drawn at random, and replaced, and a second is drawn at random. What are the chances (probability) that both sweets are lemon flavoured?

- A. $\frac{1}{2}$
- B. $\frac{1}{4}$
- C. $\frac{1}{8}$
- D. $\frac{1}{16}$

24. At the local garden centre, pea canes have been delivered from the wholesalers in two batches. It was discovered that the first batch of canes measure 100.5cm, while the second batch measure 102.0cm in length. Given that the first batch is estimated to be the correct length, what is the relative error between the two batches?

- A. 1.0%
- B. 1.5%
- C. 2.0%
- D. 2.5%

25. A bag contains three balls, one red, one blue and one yellow. To the nearest percentage point, what is the percentage probability that the SECOND ball drawn will be yellow?

- A. 66%
- B. 100%
- C. 50%
- D. 33%

**Data
interpretation**

All questions are multiple choice. You are required to select one of the suggested answers labelled A–D as the correct answer and record its letter of the alphabet in the answer box.

In 1995, it was estimated that 1 in 50 Britons now in their mid-80s would live to age 100 or older. This figure is a result of improved nutrition and medical treatment which has improved for 1 in 16 for people in their mid-80s now (in 2010). Official figures showed this estimate for 2000 to be 1 in 25. There were 9,296 people aged 100 or over in Britain in 2008; an increase of 1,000 on 2007, according to the Office for National Statistics (ONS). The findings come just a month after ONS data showed that there were 1.005 pensioners for every child under 16. In recent years there have been seven women for every man who have lived to age 100 or older, but this ratio is declining as male life expectancy is improving at a faster rate than that of women. The number of centenarians has increased by 5.4% a year since 2008 and this trend is expected to continue for the next five or more years.

26. How many more Britons in a cohort of 100,000 in their mid-80s in 2010 can be expected to live to age 100 or older than a cohort of 100,000 Britons in their mid-80s in 1995?
- A. 6,250
 - B. 5,750
 - C. 5,000
 - D. 4,250
27. How many more women than men were aged 100 or older in 2007?
- A. 1,037
 - B. 6,222
 - C. 7,259
 - D. 8,296
28. In percentage terms what was the increase in the number of centenarians between 2007 and 2008?
- A. Just over 12%
 - B. Between 10 and 12%
 - C. Above 5.4% but below 10%
 - D. 5.4%
29. For every 100,000 children under the age of 16 how many more pensioners are there in 2010?
- A. 100,500
 - B. 1,500

- C. 500
- D. Cannot tell

30. Which of the suggested answers is the best estimate of the number of Britons in their mid-80s in 1995?

- A. 516,350
- B. 464,800
- C. 92,960
- D. Cannot tell